



SPECIFICATION

TITLE

Methods for forming a hanger for a chain link fence

PARENT CASE TEXT

This application is based on and claims priority to the United States Provisional Application No. 60/404,309 filed 8/19/2002.

FEDERALLY SPONSORED RESEARCH

The proposed invention was not federally sponsored research and development.

DESCRIPTION

TECHNICAL FIELD

The present invention relates generally to transportable, detachable, hangers and hooks more particularly, for use in conjunction with chain link fences and for constructing such hangers.

DESCRIPTION OF RELATED ART

US PAT. NO. 5,509,632, issued to Mesna et al on April 23 1996, describes a method for forming a hook for a chain link fence. The hook is L-Shaped similar to the proposed invention and connects to the wire portions of the chain link fence as does the related art. The interconnection point of the related art is along the 45 degree wire portion of the chain link fence. The proposed invention interconnects at the bottom of the diamond pattern of the 45 degree wire portion via staggered notches, a more advantageous location. This is a superior interconnection method due to the staggered notches providing secure interconnection. The proposed invention holds more weight in the vertical axis because of this notched attachment method. The related art is not stable in the horizontal axis, and is limited to weight bearing due to the 45 degree interconnection method.

BACKGROUND ART

Chain link fences have become a commonplace at sports complexes, back yards, and tennis courts. Such fences provide an excellent structure for hanging sports equipment, hardware, construction equipment, lights, and other items for

convenience. A desirable article would be a small hanger, constructed and arranged to be used in conjunction with the fence, quickly employed and deployed, reusable, sturdy, and easily carried.

DISCLOSURE OF INVENTION

The invention includes a method of constructing a hanger comprising the steps of bending a flat metal strap along first fold line at a 90 degree angle to form a first element and the front edge of the flat fold portion and bending along second fold line at a 90 degree angle to form the back edge of the flat fold portion and top edge of the second element, and notching the flat fold portion providing fit and function with the wire pattern of the chain link fence.

The hanger of the invention is removably engagable with the interior diamond wire pattern of the chain link fence. Being small and lightweight, the hanger is easily transported and stored. Hanger use ranges from suspension of sports equipment off of backstops to hanging planter boxes on backyard fences. One embodiment provides a baseball bat and helmet hanger.

BRIEF DESCRIPTION OF THE DRAWINGS

DESCRIPTION FIGURE 1:

Figure 1 is a side elevational view of the hanger showing the flat fold portion and first and second elements;

DESCRIPTION FIGURE 2:

Figure 2 is a top plan view of the hanger showing the staggered notches in the flat fold portion;

DESCRIPTION FIGURE 3:

Figure 3 is an elevational view of the hanger;

DESCRIPTION FIGURE 4:

Figure 4 is a front view of the hanger illustrating one embodiment of the hanger removably attachable to the chain link fence allowing for any item or assembly to be pop riveted to the second element.

DESCRIPTION FIGURE 5:

Figure 5 is a perspective view of one embodiment having two interconnection holes in the second element demonstrating use in conjunction with a portion of chain link fence.

DESCRIPTION FIGURE 6:

Figure 6 is a perspective view of another embodiment having a key hole interconnection method integrated in the second element demonstrating use in conjunction with a portion of chain link fence.

DESCRIPTION FIGURE 7:

Figure 7 is a perspective view of another embodiment having hanging devices cut out and formed from the second element, demonstrating use in conjunction with a portion of chain link fence.

DESCRIPTION FIGURE 8:

Figure 8 is a perspective view of another embodiment having a cylindrically shaped hanging devices cut out and formed from the second element, demonstrating use in conjunction with a portion of chain link fence.

DESCRIPTION FIGURE 9:

Figure 9 is a perspective view of another embodiment having a rectangular in shape hanging devices cut out and formed from the second element, demonstrating use in conjunction with a portion of chain link fence.